This listing of claims replaces all prior versions and listings of claims in the Application.

LISTING OF CLAIMS:

1-13. (Canceled).

14. (Currently Amended) A computer program product comprising:

a computer usable medium having computer readable program code embodied therein for using a name space in generating a graphical user interface (GUI), said computer program product comprising:

computer readable program code configured to cause a computer to generate one or more elements associated with the GUI;

computer readable program code configured to cause the computer to associate the one or more elements of the GUI with at least one control mechanism;

computer readable program code configured to cause the computer to dynamically generate a unique name space designation for separate instances of said control mechanism at run time, wherein the unique namespace designations identify relationships between the separate instances of said control mechanism including relationships between the separate instances of said control mechanism that occur on a same page;

computer readable program code configured to use the ~~wherein said~~ unique name space designations ~~designation that is assigned to the corresponding control mechanism is used~~ to formulate unique labels for data associated with the corresponding control mechanism; and

computer readable program code configured to cause the computer to use said unique name space designation to generate one or more definitional statements for said GUI.

15. (Previously Presented) The computer program product of claim 14, further comprising:

computer readable program code configured to cause the computer to identify the control mechanism with which said unique name space designation is associated.

16. (Currently Amended) The computer program product of claim 15 further comprising:

computer readable program code configured to cause the computer to configure the unique labels formulated for the data associated with the corresponding control mechanism to include at least the unique name space designation for separate instances of the control mechanism and a descriptive name for the data; and

computer readable program code configured to cause the computer to identify said control mechanism as a recipient of the data based on the unique name space designation associated with the corresponding unique label.

17. (Previously Presented) The computer program product of claim 14 wherein said one or more definitional statements are Hypertext Markup Language statements.

18. (Currently Amended) The computer program product of claim 14 wherein said ~~computer readable~~ control mechanism ~~program code~~ is an object-oriented object.

19. (Original) The computer program product of claim 18 wherein said object oriented object is a Java Bean.

20. (Previously Presented) The computer program product of claim 14 wherein a first of the one or more elements associated with the GUI is defined as being within an influence of a second of the one or more elements associated with the GUI, said computer readable program code configured to cause the computer to associate elements of said GUI with said control mechanism further comprises:

computer readable program code configured to cause the computer to associate a first unique name space designation with a definitional statement associated with the first of the one or more elements associated with the GUI; and

computer readable program code configured to cause the computer to associate a second unique name space designation with one or more definitional statements associated with the second of the one or more elements associated with the GUI, said second unique name space designation including said first unique name space designation.

21. (Currently Amended) In a computer system, a method of using a name space in generating a graphical user interface (GUI) comprising:

modeling a component of the graphical user interface (GUI) as a control, said control being implemented as program code;

dynamically generating at least one definitional statement for one or more instances of said component associated with the GUI using said program code, said definitional statement including at least one attribute for the one or more instances of said component;

dynamically generating a unique name space designation for the one or more instances of the ~~control~~ component at run-time, wherein the unique namespace designations identify relationships between the one or more instances of the component including relationships between the one or more instances of the component that occur on a same page; and

assigning the unique name space designation to the ~~control~~ component, wherein said unique name space designation is used to name at least one attribute generated by the component, wherein the name associated with the at least one attribute is uniquely derived from said one or more instances of said component.

22. (Previously Presented) The method of claim 21 further comprising generating a label to be associated with data, wherein the label includes the unique name space designation that corresponds to an associated instance of the component.

23. (Currently Amended) The method of claim 22 further comprising identifying ~~said program code~~ the associated instance of the component as a recipient of the data based on the unique name space designation in said label.

24. (Previously Presented) The method of claim 21 wherein said program code is an object-oriented object.

25. (Previously Presented) The method of claim 21 wherein said at least one definitional statement is a Hypertext Markup Language statement.

26. (Previously Presented) The method of claim 21 further comprising generating a design for said GUI, said design including a plurality of GUI components.

27. (Previously Presented) The method of claim 26 wherein a first of said plurality of GUI components in said design is located within a second of said plurality of GUI components and wherein said unique name space designation is associated with said second of said plurality of GUI components, the method further comprising:

generating at least one definitional statement for said first of said plurality of GUI components using said program code, said definitional statement including at least one attribute for said first of said plurality of GUI components, said at least one attribute comprising a first unique name space designation which includes said name space designation associated with said second of said plurality of GUI components.

28. (Currently Amended) A graphical user interface (GUI) system comprising:

a processor that implements program code~~; a program code implemented on the processor~~, said program code configured to:

generate at least one component of the GUI as a corresponding control;

dynamically generate at least one definitional statement for one or more instances of the at least one component, wherein the at least one definitional statement includes at least one attribute for said one or more instances of ~~said~~ the at least one component;

dynamically generate a unique name space designation for the one or more instances of the ~~control~~ at least one component at run-time, wherein the unique namespace designations identify relationships between the one or more instances of the at least one component including relationships between the one or more instances of the at least one component that occur on a same page; and

assign the unique name space designation to the corresponding ~~control~~ at least one component, wherein said unique name space designation is used to name at least one attribute generated by the at least one component, wherein the name associated with the at least one attribute is uniquely derived from said one or more instances of ~~said component~~ the at least one component.

29. (Previously Presented) The system of claim 28 wherein said at least one definitional statement includes a name attribute, said name attribute including a data label associated with the unique name space designation.

30. (Currently Amended) The system of claim 29 further comprising a browser application that is configured to generate a name-value pair, wherein a name portion of said name-value pair includes said data label.

31. (Previously Presented) The system of claim 30 further comprising a page control configured to examine said name portion of said name-value pair and to direct said name-value pair to a destination based on said unique name space designation in said name portion.

32. (Previously Presented) The system of claim 28 wherein said control the at least one component is an object-oriented object.

33. (Previously Presented) The system of claim 28 wherein said control is a Java Bean.

34. (Previously Presented) The computer program product of claim 14, wherein said computer readable program code causes the computer to dynamically generate the unique name space designation for at least one instance of said control mechanism at run time, based on a position of the control mechanism within the GUI.

35. (Previously Presented) A computer program product, comprising:

a computer usable medium having computer readable program code embodied therein for using a name space in generating a graphical user interface (GUI), the computer program product comprising:

computer readable program code configured to cause a computer to generate one or more elements associated with the GUI;

computer readable program code configured to cause the computer to associate the one or more elements of the GUI with at least one control mechanism;

computer readable program code configured to cause the computer to dynamically generate a unique name space designation for instances of the control mechanism at run time, wherein the unique name space designation that is assigned to the corresponding control mechanism is used to formulate unique labels for data associated with the corresponding control mechanism, and wherein the unique labels for data are transmitted between applications residing on client terminals and servers; and

computer readable program code configured to cause the computer to use the unique name space designation to generate one or more definitional statements for the GUI.

36. (Previously Presented) The computer program product of claim 35, further comprising:

computer readable program code configured to cause the computer to identify the control mechanism with which said unique name space designation is associated.

37. (Previously Presented) The computer program product of claim 35 further comprising:

computer readable program code configured to cause the computer to configure the unique labels formulated for the data associated with the corresponding control mechanism to include at least the unique name space designation for instances of the control mechanism and a descriptive name for the data; and

computer readable program code configured to cause the computer to identify said control mechanism as a recipient of the data based on the unique name space designation associated with the corresponding unique label.

38. (Previously Presented) The computer program product of claim 35 wherein a first of the one or more elements associated with the GUI is defined as being within an influence of a second of the one or more elements associated with the GUI, the computer readable program code configured to cause the computer to associate elements of the GUI with the control mechanism further comprises:

computer readable program code configured to cause the computer to associate a first unique name space designation with a definitional statement associated with the first of the one or more elements associated with the GUI; and

computer readable program code configured to cause the computer to associate a second unique name space designation with one or more definitional statements associated with the second of the one or more elements associated with the GUI, the second unique name space designation including the first unique name space designation.

39. (Currently Amended) A computer program product, comprising:

a computer usable medium having computer readable program code embodied therein for using a name space in generating a graphical user interface (GUI), the computer program product comprising:

computer readable program code configured to cause a computer to generate one or more elements associated with the GUI;

computer readable program code configured to cause the computer to associate the one or more elements of the GUI with at least one control mechanism;

computer readable program code configured to cause the computer to dynamically generate ~~a~~ unique name space ~~designation~~ designations for instances of the control mechanism at run time, based on a position of the instances of the control mechanism within the GUI, wherein the unique name space designation that is assigned to the corresponding instance of the control

mechanism is used to formulate unique labels for data associated with the instance of the corresponding control mechanism; and

computer readable program code configured to cause the computer to use the unique name space designation to generate one or more definitional statements for the GUI.

40. (Previously Presented) The computer program product of claim 39, further comprising:

computer readable program code configured to cause the computer to identify the control mechanism with which said unique name space designation is associated.

41. (Previously Presented) The computer program product of claim 39 further comprising:

computer readable program code configured to cause the computer to configure the unique labels formulated for the data associated with the corresponding control mechanism to include at least the unique name space designation for instances of the control mechanism and a descriptive name for the data; and

computer readable program code configured to cause the computer to identify said control mechanism as a recipient of the data based on the unique name space designation associated with the corresponding unique label.

42. (Previously Presented) The computer program product of claim 39 wherein a first of the one or more elements associated with the GUI is defined as being within an influence of a second of the one or more elements associated with the GUI, the computer readable program

code configured to cause the computer to associate elements of the GUI with the control mechanism further comprises:

computer readable program code configured to cause the computer to associate a first unique name space designation with a definitional statement associated with the first of the one or more elements associated with the GUI; and

computer readable program code configured to cause the computer to associate a second unique name space designation with one or more definitional statements associated with the second of the one or more elements associated with the GUI, the second unique name space designation including the first unique name space designation.

43. (Previously Presented) The computer program product of claim 39, wherein the one or more definitional statements are Hypertext Markup Language statements.

44. (New) The computer program product of claim 14, wherein the unique namespace designations identify relationships between the separate instances of said control mechanism further including relationships between the separate instances of said control mechanism that occur on different pages.